

Title (en)  
FLEXIBLE EXINT RETENTION FIXATION FOR EXTERNAL BREAST PROSTHESIS

Title (de)  
FLEXIBLE RETENTIONSFIXATION FÜR EINE EXTERNE BRUSTPROTHESE

Title (fr)  
FIXATION DE MAINTIEN SOUPLE EXINT POUR PROTHESE MAMMAIRE EXTERNE

Publication  
**EP 1143880 A1 20011017 (EN)**

Application  
**EP 00903209 A 20000107**

Priority  
• US 0000561 W 20000107  
• US 22778999 A 19990108

Abstract (en)  
[origin: US6074420A] An external prosthesis and a method for affixing the prosthesis to the user by means compliantly housed magnets interacting with surgical steel implants inserted beneath the skin of the user. The implants are surgical steel buttons coated with methylmethacrylate to avoid the release of corrosion products and silastic, a biocompatible material. The implant is inserted beneath the patient's skin along with a biocompatible mesh material to provide additional strength. A flexible carrier is formed with a hollow cylindrical shape to allow a magnet to move freely within the carrier. The opening of the flexible carrier is covered with a mesh. The flexible carrier/magnet/mesh combination is formed into the prosthesis so that the prosthesis aligns with the surgical steel implants and allows freedom of movement within the flexible carrier. The mesh material allows for breathability and also avoids skin strangulation from excess pressure of the magnet on the surgical steel implant.

IPC 1-7  
**A61F 2/12**

IPC 8 full level  
**A61F 2/12** (2006.01); **A61F 2/52** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
See references of WO 0040173A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**US 6074420 A 20000613**; AU 2498800 A 20000724; AU 756528 B2 20030116; BR 0008270 A 20011127; CA 2354703 A1 20000713; EP 1143880 A1 20011017; JP 2002534154 A 20021015; WO 0040173 A1 20000713

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**US 22778999 A 19990108**; AU 2498800 A 20000107; BR 0008270 A 20000107; CA 2354703 A 20000107; EP 00903209 A 20000107; JP 2000591932 A 20000107; US 0000561 W 20000107